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Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. 003248.00093

Attorney Docket No.

PATENT APPLICATION		First Inventor K. Ranji Vaidyanathan, et al							
	TRA	NSMITTAL		Microchannel Heat Exchangers and Methods of Title Same			Methods of Manufacturing	g the	
				ritie	Same				0
(Only for n	new nonprovisiona	al applications under 37	C.F.R. 1.53(b))	Expres	s Mail Lab	oel No.	EV306395450US		- 68 - 68
See MPEP o		ICATION ELEM		A	DDRE	SS TC): Box Patent		U.S 7674
See MPEP chapter 600 concerning utility patent application contents. 1.						ate, large table or dix) equence Submission (CRF) g on: ies); or ty of above copies ICATIONS PARTS or sheet & document(s) ent Power of Attorney ment (if applicable) Copies of II Citations MPEP 503) mized) Document(s) ed) under 35 U.S.C. 122	S		
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) of prior application No: Prior application information: Examiner Group / Art Unit: For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.									
	•		17. CORRESPO		ICE ADD	IKESS	\[\]		
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Name (Pr	(Print/Type) Rebecca P. Rokos			Reg	Registration No. (Attorney/Agent) 42,109				
Signature		lebecca P					Date	January 28, 2004	
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Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

482

TOTAL AMOUNT OF PAYMENT

Complete if Known				
Application Number	T/B/D			
Filing Date	Herewith			
First Named Inventor	K. Ranji Vaidyanathan, et al			
Examiner Name	T/B/D			
Art Unit	T/B/D			
Attorney Docket No.	003248.00093			

METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)					
Charle C Craff and C M. C C.		3. ADDITIONAL FEES					
☐ Check ☐ Credit card ☐ Money ☐ Other ☐ None Order		Large Entity Small Entity					
☐ Deposit Account:		Fee	Fee	Fee			
Deposit		(\$)	Code	(\$)	Fee Description	Fee Paid	
Account 19-0733		130	2051	65	Surcharge - late filing fee or oath	<u> </u>	
Number	1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet.		
Deposit	1053	130	1053	130	Non-English specification		
Account Banner & Witcoff, LTD.		2,520	1812	2,520	For filing a request for reexamination		
The Director is authorized to: (check all that apply)	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		
☐ Charge fee(s) indicated below ☐ Credit any overpayments ☐ Charge any additional fee(s) during the pendency of this application	1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		
☐ Charge fee(s) indicated below, except for the filing fee	1251	110	2251	55	Extension for reply within first month	\vdash	
to the above-identified deposit account.	1252	420	2252	210	Extension for reply within second	 	
FEE CALCULATION					month		
1. BASIC, FILING FEE	1253	950	2253	475	Extension for reply within third month		
Large Entity Small Entity Fee Fee Fee Fee Fee Description	1254	1,480	2254	740	Extension for reply within fourth month		
Code (\$) Code (\$) Fee Paid	1255	2,010	2255	1,005	Extension for reply within fifth month		
1001 770 2001 385 Utility filing fee 385	1401	330	2401	165	Notice of Appeal		
1002 340 2002 170 Design filing fee	1402	330	2402	165	Filing a brief in support of an appeal		
1003 530 2003 265 Plant filing fee	1403	290	2403	145	Request for oral hearing		
1004 770 2004 385 Reissue filing fee	1451	1,510	1451	1,510	Petition to institute a public use proceeding		
1005 160 2005 80 Provisional filling fee	1452	110	2452	55	Petition to revive – unavoidable		
SUBTOTAL (1) (\$) 385	1453	1,330	2453	665	Petition to revive - unintentional		
	1501	1,330	2501	665	Utility issue fee (or reissue)		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1502	480	2502	240	Design issue fee		
Extra Fee from Fee Claims below Paid	1503	640	2503	320	Plant issue fee		
Claims below Paid Total Claims 26 -20 ** = 6 X 9 = 54	1460	130	1460	130	Petitions to the Commissioner		
Independent	1807	50	1807	50	Processing fee under 37 CFR 1.17 (q)		
Claims 4 -3 ** = 1 X 43 = 43	1806	180	1806	180	Submission of Information Disclosure Stmt		
Multiple Dependent X = 0	8021	40	8021	40	Recording each patent assignment per property (times number of		
Large Entity Small Entity					properties)		
Fee Fee Fee Fee Description Code (\$) Code (\$)	1809	770	2809	385	Filing a submission after final rejection (37 CFR § 1.129(a))	'	
1202 18 2202 9 Claims in excess of 20	1810	770	2810	385	For each additional invention to be		
1201 86 2201 43 Independent claims in excess of 3	1				examined (37 CFR § 1.129(b))		
1203 290 2203 145 Multiple dependent claim, if not paid	1801	770	2801	385	Request for Continued Examination (RCE)		
1204 86 2204 43 ** Reissue independent claims over original patent	1802	900	1802	900	Request for expedited examination		
1205 18 2205 9 ** Reissue claims in excess of 20 and	ŀ				of a design application		
over original patent	Other	fee (speci	ifv)				
SUBTOTAL (2) (\$) 97	1	(.,,	-		L	
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**or number previously paid, if greater; For Reissues, see above		, 0		g . 55 / ·	(4)		
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(Attorney/Agent)

Rebecca P. Rokos

Name (Print/Type)

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42,109

CERTIFICATE OF MAILING BY EXPRESS MAIL

(PATENT APPLICATION)

Express Mail No. <u>EV306395450US</u>

Deposited January 28, 2004

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Application of:

K. Ranji Vaidyanathan

Application No.: T/B/D

Filing Date:

Herewith

Title:

MICROCHANNEL HEAT EXCHANGERS AND METHODS OF

MANUFACTURING THE SAME

(X) Patent application (34 pages)

(X) Patent Application Transmittal, 1 page

(X) Fee Transmittal in duplicate, 1 page

(X) 6 pages of formal drawings, figs. 1-14

(X) Application Data Sheet, 5 pages

(X) Return receipt postcard

Attorney Docket No: _003248.00093